

# Math Without Computing

$$40 \div 7\frac{1}{2} = 5\frac{1}{3}$$

$$12 \div 1\frac{1}{4} = 9\frac{3}{5}$$

$$62\frac{1}{2} \div 4 = 15\frac{5}{8}$$

Use the quotients in the box above to answer the following questions:

- ① Ms. Mundo made 40 ounces of tropical punch to pour into glasses. Each glass holds  $7\frac{1}{2}$  ounces.

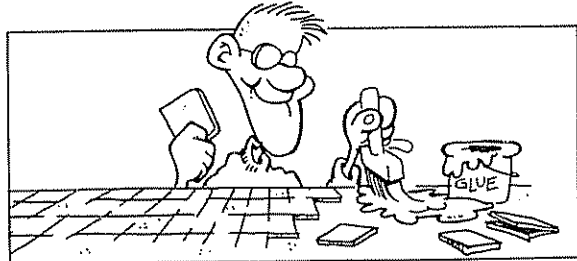
- A. How many glasses will be completely filled?
- B. How many glasses will be needed to hold all the punch?
- C. What fraction of the last glass is full of punch?

- ② Elevator Music, Inc., has been hired to provide 12 hours of continuous taped music. Each tape plays for  $1\frac{1}{4}$  hours.

- A. How many tapes will be needed altogether?
- B. How many of the tapes will be played completely?
- C. What fraction of the last tape will be played?

- ③ Mr. Reznick is gluing ceramic tiles on a kitchen counter  $62\frac{1}{2}$  inches long. Each tile is 4 inches square.

- A. How many complete tiles are used in each row?
- B. How many tiles are needed for each row altogether?
- C. In each row, what fraction of the last tile is used?



- ④ Dawn has 12 yards of silk. She needs  $1\frac{1}{4}$  yards of silk to make one skirt. How many skirts can she make?

- ⑤ Mr. Kazoo is planning to build a fence gate 40 inches wide. He plans to use boards  $7\frac{1}{2}$  inches wide. How many boards should he buy?

- ⑥ Andrea cut  $62\frac{1}{2}$  inches of ribbon into 4 equal hair ribbons. How long was each hair ribbon?

- ⑦ Nuts to You has 40 pounds of almonds to pack into cans. Each can holds  $7\frac{1}{2}$  pounds. After completely filling as many cans as possible, what part of another can is left?

- ⑧ The coach needs 12 pounds of peanut butter to feed his football team. If he buys peanut butter in jars containing  $1\frac{1}{4}$  pounds, how many jars should he buy?

- ⑨ Naoki has  $62\frac{1}{2}$  feet of crepe paper left on a roll. She is cutting it into streamers 4 feet long.

- A. How many 4-foot streamers can she cut?
- B. What fraction of a streamer will be left on the roll?